

**INFORMATION DISCLOSURE STATEMENT**

Applicant : Katti, et al.  
App. No. : 10/760,127  
Filed : January 16, 2004  
For : ANTIFERROMAGNETICALLY  
STABILIZED PSEUDO SPIN VALVE  
FOR MEMORY APPLICATIONS  
Examiner : Unknown  
Group Art Unit : 2818

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed are forms PTO-1449 and PTO-892 listing 14 references that are of record in U.S. patent application No. 10/193,458, filed July 10, 2002, which is the parent of this Continuation application, and is relied upon for an earlier filing date under 35 U.S.C. § 120. Copies of the references are not submitted pursuant to 37 C.F.R. § 1.98(d).

This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required in accordance with 37 C.F.R. § 1.97(b)(3). If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Identification herein is not an admission that any of the foregoing references are prior art to the above-captioned application.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

By: Michael S. Okamoto

Michael S. Okamoto  
Registration No. 47,831  
Attorney of Record  
Customer No. 20,995  
(310) 551-3450

Dated: May 27, 2004

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
MICRON 210AAPPLICATION NO.  
10/193,438

219C1

10/760,127

INFORMATION DISCLOSURE STATEMENT  
BY APPLICANTAPPLICANT  
Katti, et al.FILING DATE  
July 10, 2002

1/16/04

GROUP  
Unknown

2818



SEE SEVERAL SHEETS IF NECESSARY)

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

EXAMINER  
INITIAL

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	Daughton, James M., "Advanced MRAM Concepts" Article from NVE Corporation, February 07, 2001, pp. 1-6

MSO-3284.DOC:afa  
073002

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EXAMINER

DATE CONSIDERED

\*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. MICRON <del>219A</del> <b>219C1</b>	APPLICATION NO. <del>10/193,458</del> <b>10/760,127</b>
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (USE SEVERAL SHEETS IF NECESSARY)		APPLICANT Katti, et al.	
		FILING DATE <del>July 10, 2002</del> <b>1/16/04</b>	GROUP <del>Unknown</del> <b>2818</b>

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
	"Magnetoelectronics" [online] [retrieved on January 25, 2002] Retrieved from the Internet: <URL: www.ipm.virginia.edu/research/PVD/Pubs/thesis7/chapter2.PDF> Chapter 2 pp. 7-34
	Everitt, et al., "Pseudo Spin Valve MRAM Cells with Sub-Micrometer Critical Dimension" <u>IEEE</u> Transaction on Magnetics, Vol. 34, No. 4, (1998), pp. 1060-1062
	Lee, et al., "Separation of Contributions to Spin Valve Interlayer Exchange Coupling Field by Temperature Dependent Coupling Field Measurements" [online] 46 <sup>th</sup> MMM Conference Seattle, Washington 2001 pp. 1-16 [retrieved on January 25, 2002] Retrieved from the Internet: <URL: www.andrew.cmu.edu/~zlee/mmm.pdf>
	Shi, et al., "End Domain States and Magnetization Reversal in Submicron Magnetic Structures" <u>IEEE</u> Transactions on Magnetics, Vol. 34, No. 4, July 1998, pp. 997-999
	"Non-Volatile Memory (MRAM)" <u>ANXXX</u> [online] Honeywell <retrieved on November 19, 2001> <URL: www.ssec.honeywell.com/avionics/h_gmr.pdf> pp. 1-4

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<p>*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.</p>	

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE STATEMENT          BY APPLICANT</b>  (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. MICRON 249A <b>219C1</b>	APPLICATION NO. <del>10/193,458</del> <b>10/760,127</b>
	APPLICANT Katti, et al.	
	FILING DATE <del>July 10, 2002</del> <b>1/16/04</b>	GROUP 2818

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	5,541,868	07/30/96	Prinz			
	6,215,695 B1	04/10/01	Ikeda			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
	PCT International Search Report dated July 29, 2003
	Inomata, K. "Present and Future of Magnetic RAM Technology" <i>IEICE Transactions on Electronics</i> , Vol. E84-C, No. 6, (June 2001), pp. 740-746

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# **Notice of References Cited**

Application/Control No.

10/193,458 - 10/760,127

Applicant(s)/Patent Under  
Reexamination  
KATTI ET AL.

Examiner

Thinh T. Nguyen Unknown

Art Unit

2818

Page 1 of 1

## **U.S. PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
✓	A	US-5,627,703 ✓	05-1997	Smith, Neil	360/314
✓	B	US-6,452,764 ✓	09-2002	Abraham et al.	360/324.2
✓	C	US-2002/0018323 ✓	02-2002	Li et al.	360/314
✓	D	US-2003/0007398 ✓	01-2003	Daughton et al.	365/200
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

## **FOREIGN PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

## **NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	<b>BEST AVAILABLE</b>
	X	

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.